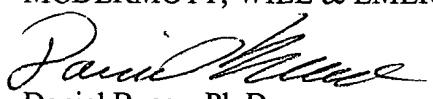
version of claim amendments in the previous response. Claim 3 was amended to delete the open bracket at line one.

In the Office Action, the Examiner requested Applicant to point out the basis for the terms: nutrient levels, conductivity, refractive index, osmolarity, and calcium levels of the medium, as recited in claim 1. Applicant respectfully submits that each of these terms are fully supported by the detailed specification. They have been disclosed in several examples described in the specification. For example, on page 14, beginning on line 10, Applicant describes monitoring conditions such as nutrient levels, calcium levels, etc. as part of an embodiment of practicing the claimed subject matter. On page 15, beginning at line 9, Applicant describes monitoring and controlling plant cell and tissue culture including nutrient levels, conductivity, refractive index, etc. On page 17, beginning on line 7, Applicant describes an example, which includes conductivity, refractive index, osmolarity, and, at the end of the page, nutrient levels. Accordingly, it is respectfully submitted that the specification fully supports amended claim 1.

Attached hereto is a marked-up version of the changes made to the specification and the claims by the current amendment. The attached page is captioned "**VERSION WITH MARKINGS TO SHOW CHANGES MADE**".

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,
MCDERMOTT, WILL & EMERY



Daniel Bucca, Ph.D.
Registration No. 42,368

600 13th Street, N.W.
Washington, DC 20005-3096
(202) 756-8000 DB:MWE
Facsimile: (202) 756-8087
Date: January 24, 2003

VERSION SHOWING CHANGES MADE

Claim 1. (Twice Amended) A method for transiently transforming plant cells or plant tissue for the large scale production of recombinant polypeptide comprising:

i) providing a plant tissue sample to a bioreactor or cultivating plant cells or plant tissue in liquid medium in a bioreactor under conditions suitable for growth of the cells or tissue,

ii) inoculating the plant cells or plant tissue with a culture of Agrobacteria when suitable growth of the cells or tissues is obtained, the Agrobacteria containing a vector comprising a nucleotide sequence encoding the recombinant polypeptide [[] to the plant tissue sample;

iii) culturing the plant cells or plant tissue and the Agrobacterium under conditions suitable for transfer of the nucleotide sequence to the plant cells or the plant tissue to thereby produce transiently transformed plant cells or plant tissue,

iv) growing the transiently transformed plant cells or plant tissue in liquid medium under conditions that enable the transiently transformed plant cells or tissue to transiently express the recombinant polypeptide; and

v) isolating the recombinant polypeptide from the transiently transformed cells or tissue,

wherein the conditions are monitored during step (I), (iii), and/or (iv) by measuring optical density, pH, temperature, nutrient levels, oxygen, conductivity, refractive index, osmolarity, calcium level of the medium, protein expression level, or a combination thereof.

Claim 3. (Twice Amended) The method according to claim 1, wherein said plant tissue[]] is a plant cell suspension culture.